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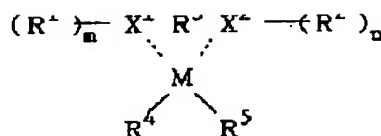
APPLICATION DATE : 28-06-96
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APPLICANT : MITSUI PETROCHEM IND LTD;

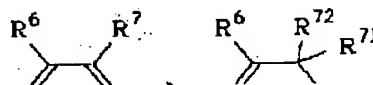
INVENTOR : YOROZU KIYOTAKA;

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C08F218:08 , C08F220:06)

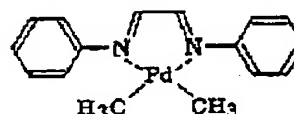
TITLE : MODIFIER COMPRISING
OLEFIN-POLAR MONOMER
COPOLYMER



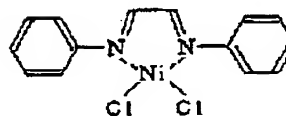
I



II



III



IV

ABSTRACT : PROBLEM TO BE SOLVED: To obtain a modifier comprising an olefin/polar monomer (e.g. acrylic acid monomer) copolymer produce by using new catalyst containing a specified transition metal compound and suited for many uses.

SOLUTION: This modifier comprises an olefin/polar monomer copolymer obtained by using a catalyst containing a transition metal compound represented by formula I (wherein M is a group 8-10 transition metal in the periodic table; X¹ and X² are each N or P; R¹ and R² are each H or a hydrocarbon group, m and n are each 1 or 2; R³ is a group represented by formula II; R⁶ to R⁷² in formula II are each H or a hydrocarbon group; R⁴ and R⁵ are each H, a halogen, hydrocarbon group, -OR⁸ or the like; and R⁸ is an alkyl, organosilyl or the like and being excellent in transparency, heat resistance, etc. Examples of the transition metal compounds include those represented by formula III and IV. The polar monomer as a comonomer is methyl (methyl)acrylate, vinyl ketone, vinyl acetate or (meth)acrylic acid. The olefin used is desirably ethylene.

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